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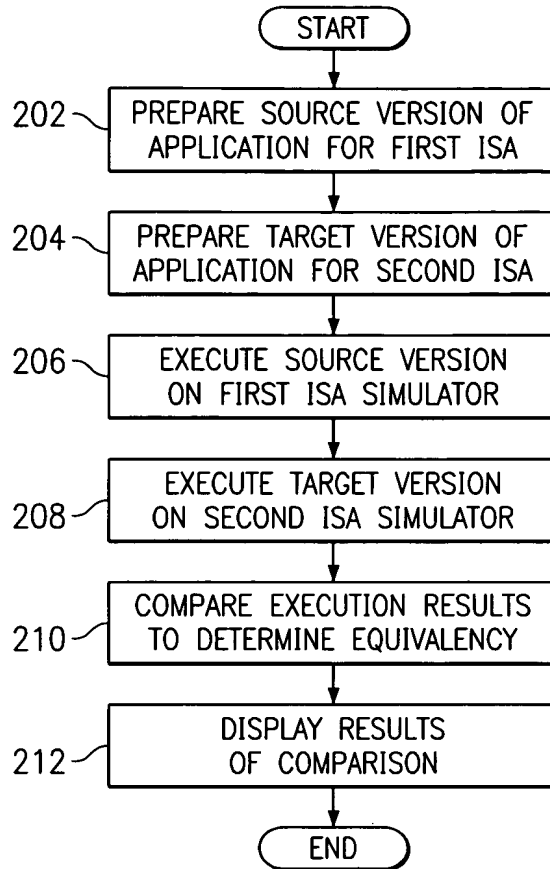


FIG. 2



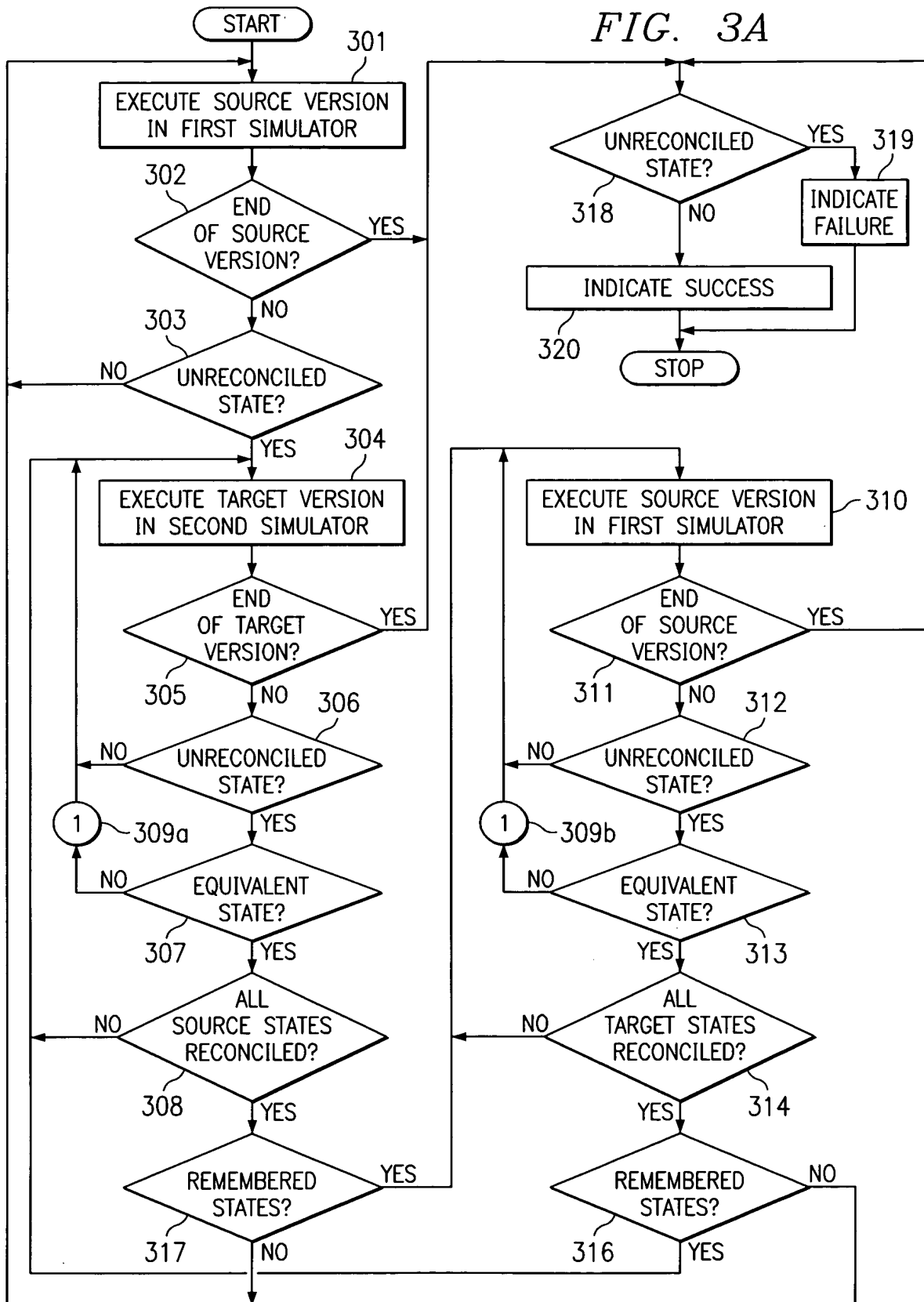
403		405		404		406					
SOURCE EXECUTION		SOURCE		SOURCE STATE		TARGET EXECUTION		TARGET		TARGET STATE	
		STM data1, AR3		EMPTY				MOV data1, AR3		EMPTY	
401		LD #1, A				402		MOV #1, ACO			
		NOP						NOP			
		NOP						NOP			
		STL A, *AR3+						MOV ACO<<#0, AR3+			
		NOP						NOP			

FIG. 4A

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FIG. 3A



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FIG. 3B

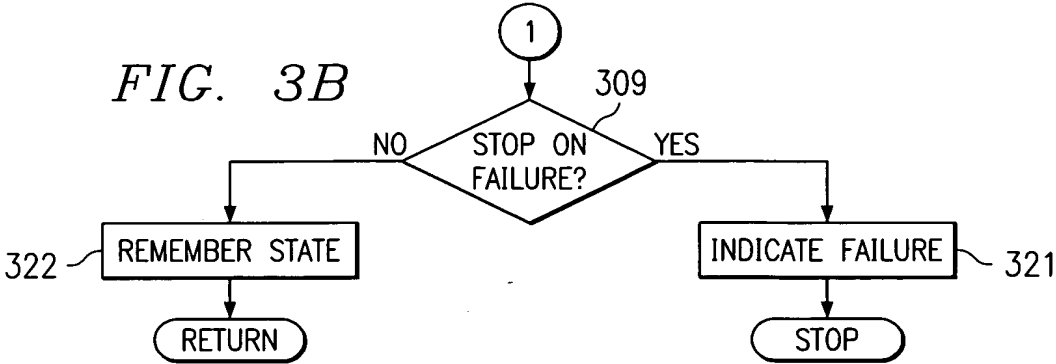


FIG. 4B

SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800		MOV data1, AR3	EMPTY
	LD #1, A		402	MOV #1, AC0	
401	NOP			NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4C

SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800		MOV data1, AR3	XAR3=0x430
	LD #1, A		402	MOV #1, AC0	
401	NOP			NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

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	403	405		404	406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 A=1		MOV data1, AR3	XAR3= 0x430
	LD #1, A			MOV #1, AC0	
↗ 401	NOP		↗ 402	NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4D

	403	405		404	406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 A=1		MOV data1, AR3	XAR3= 0x430 AC0=1
	LD #1, A			MOV #1, AC0	
↗ 401	NOP		↗ 402	NOP	
	NOP			NOP	
	STL A, *AR3+			MOV AC0<<#0, AR3+	
	NOP			NOP	

FIG. 4E

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	403	405		404	406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 (*AR3)=1		MOV data1, AR3	XAR3=0x430
	LD #1, A			MOV #1, ACO	
	NOP		→	NOP	
	NOP		402	NOP	
401	STL A, *AR3+			MOV ACO<<#0, AR3+	
→	NOP			NOP	

FIG. 4F

	403	405		404	406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	AR3=0x800 (*AR3)=1		MOV data1, AR3	XAR3=0x430 (*XAR3)=1
	LD #1, A			MOV #1, ACO	
	NOP			NOP	
	NOP			NOP	
401	STL A, *AR3+		402	MOV ACO<<#0, AR3+	
→	NOP		→	NOP	

FIG. 4G

FIG. 4H

403		405	404		406
SOURCE EXECUTION	SOURCE	SOURCE STATE	TARGET EXECUTION	TARGET	TARGET STATE
	STM data1, AR3	EMPTY		MOV data1, AR3	EMPTY
	LD #1, A			MOV #1, AC0	
	NOP			NOP	
	NOP			NOP	
401 →	STL A, *AR3+		402 →	MOV AC0<<#0, AR3+	
	NOP			NOP	

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FIG. 5A

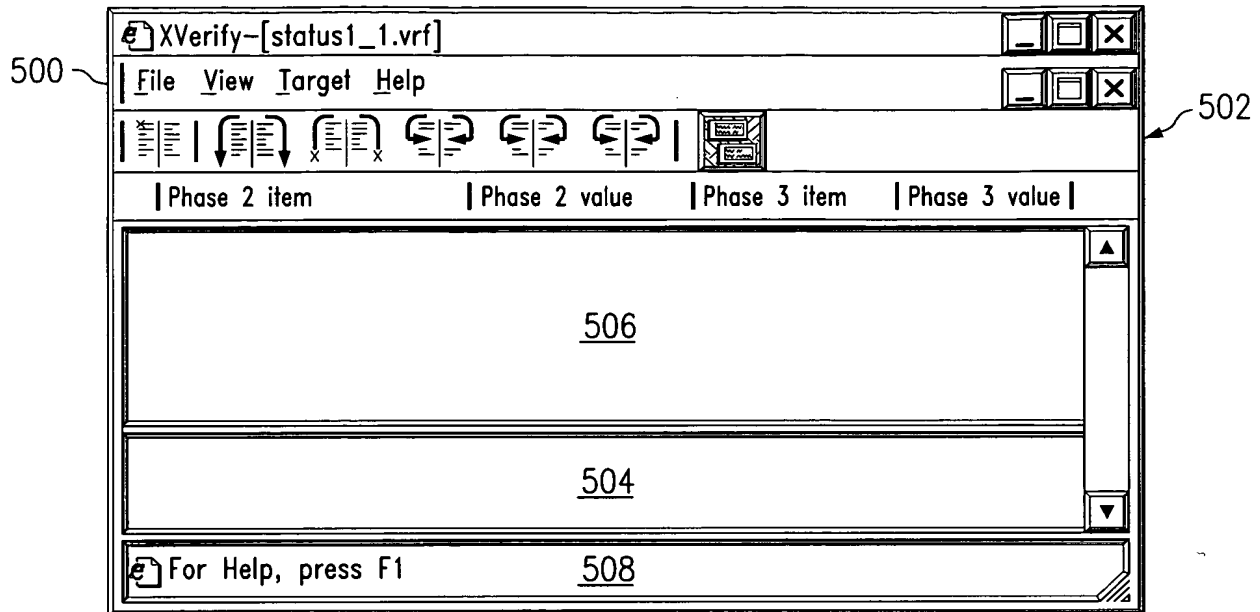


FIG. 5B

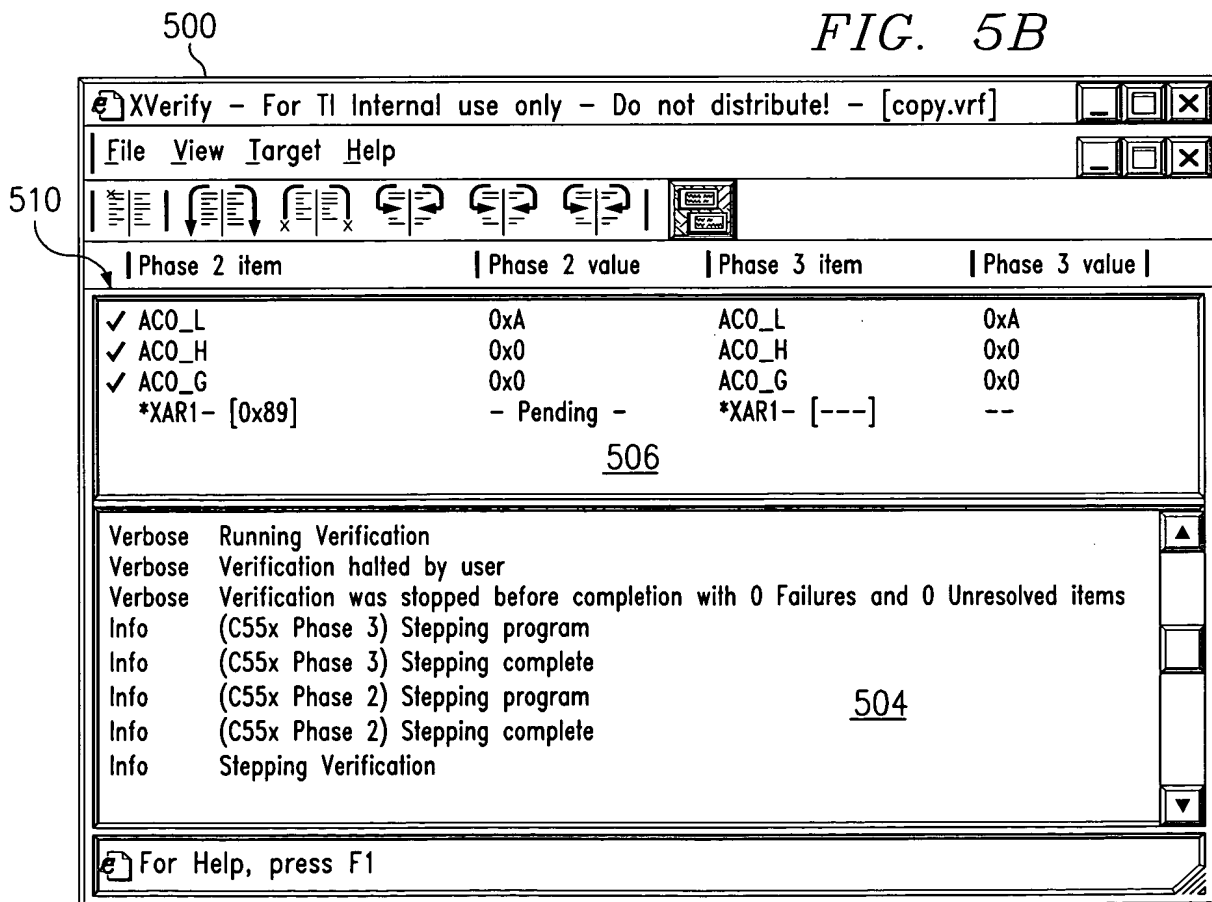


FIG. 6A

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The dialog box is titled "Xverify Options:" and has a standard Windows-style title bar with a question mark and a close button. It features a tabbed interface with six tabs: "Files" (labeled 630), "Triggers" (labeled 631), "Verification" (labeled 632), "Registers" (labeled 633), "Display" (labeled 634), and "Comments" (labeled 635). The "Files" tab is currently selected. Inside this tab, there are two sections: "Source Program" and "Target Program". Each section has a "File:" label followed by a text input field and a browse button (three dots). The "Source Program" field contains "c54cm1_p2.out", and the "Target Program" field contains "c54cm1_p3.out". Below each file field is an "Execute On:" label with two radio buttons: "Simulator" (selected) and "Emulator". At the bottom of the dialog, there is a "Code Composer Options" section with two radio buttons: "Run Code Composer in the Background while running Xverify." (unselected) and "Show Code Composer while running XVerify." (selected). The entire dialog box is labeled 600. At the bottom right, there are three buttons: "OK", "Cancel", and "Help".

FIG. 6D

This image shows the "Registers" tab (labeled 633) of the "Xverify Options" dialog box. The "Registers" tab is selected, and the "Address Registers" section (labeled 619) is visible. It contains two radio buttons: "Track address register contents" (unselected) and "Do not track address register contents. (Indirect writes to memory using address registers will be tracked.)" (selected). The entire dialog box is labeled 618. At the bottom right, there are three buttons: "OK", "Cancel", and "Help".

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FIG. 6B

Xverify Options: ? X

631

Files Triggers Verification Registers Display Comments

Trigger ON points cause verification to begin at that address. Trigger OFF points cause verification to stop and the program to be executed without verification up to the next ON point. Trigger STOP points halt the verification process.

Source Program

☒ Turn on verification ☐ Turn off verification ☐ Stop verification

Add Remove

Address 604

Address	Type
begin_verify	On
end_verify	Stop

608

Target Program

☒ Turn on verification ☐ Turn off verification ☐ Stop verification

Add Remove

Address 606

Address	Type
begin_verify	On
end_verify	Stop

610

602

OK Cancel Help

FIG. 6F

Xverify Options: X

635

Files Triggers Verification Registers Display Comments

Enter any comments for this verification document in the box below.

626

OK Cancel Apply Help

FIG. 6C

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The dialog box is titled "Xverify Options:" and has a standard Windows-style title bar with a question mark and a close button. It features a tabbed interface with tabs for "Files", "Triggers", "Verification", "Registers", "Display", and "Comments". The "Verification" tab is selected. Inside the dialog, there is a "Stop Options" section with a checked checkbox labeled "Stop verification when differences are found." and a text input field containing the number "20", with a label "Maximum number of steps before an unmatched item is considered to be a difference." below it. Below this is a "Verification Type" section with two radio button options: "C54x to C55x" and "C55xx phase 2 C55x phase 3", with the latter being selected. At the bottom are "OK", "Cancel", and "Help" buttons. Reference numerals 632, 614, 616, and 612 point to the tabs, the "Stop Options" section, the "Verification Type" section, and the bottom area respectively.

Xverify Options:

Files Triggers Verification Registers Display Comments

Stop Options

☒ Stop verification when differences are found.

20 Maximum number of steps before an unmatched item is considered to be a difference.

Verification Type

☐ C54x to C55x

☒ C55xx phase 2 C55x phase 3

OK Cancel Help

FIG. 6E

This dialog box is also titled "Xverify Options:" and has a similar tabbed interface. The "Display" tab is selected. It contains a "State Display" section with a text input field showing the number "3" and a label "Number of steps to show match items before removing them." below it. Below this is a "Messages" section with the heading "Show the following types of log messages:". It includes four checkboxes: "Errors" (checked), "Warnings" (checked), "Information" (checked), and "Verbose Information" (unchecked). There is also a "Diagnostics" checkbox (unchecked). At the bottom of the Messages section is a checkbox for "Log messages to file:" followed by a text input field and an ellipsis button "...". At the very bottom are "OK", "Cancel", "Apply", and "Help" buttons. Reference numerals 634, 622, 624, and 620 point to the tabs, the "State Display" section, the "Messages" section, and the bottom area respectively.

Xverify Options:

Files Triggers Verification Registers Display Comments

State Display

3 Number of steps to show match items before removing them.

Messages

Show the following types of log messages:

☒ Errors ☒ Information

☒ Warnings ☐ Verbose Information ☐ Diagnostics

☐ Log messages to file: ...

OK Cancel Apply Help